

FALCON B1

HIGH PERFORMER INDUSTRIAL LAMINATOR

**BUILD FOR EPIC PRODUCTIVITIES
AND EVERYTHING ELSE.**

A monumental leap in lamination
Radical in automation, yet completely logical
Up to 4.000 sheets per hour



**The *Fastest*
loading System**



FALCON B1

Sometimes to take a major step forward, you have to stop and observe. When we start designing **FALCON B1**, we took into account what really defines an industrial laminator today: productivity, automation, robustness, quality laminate and digital adaptation. We set even a higher target. The outcome is a truly a breakthrough on equipment. Introducing the future on laminating equipment.

APPS

Book Covers // Photo book // Menus // Sport cards // Visit cards // Catalogues // Adverts // Greetings cards // Kid's book // Graphic supports // Luxury bags // Sales docs // Posters.

And also now: Cosmetic packaging // luxury products packaging // anti-bacterial hospital material packaging.

ADVANTAGES



Productivity

Allows speed up to 4.000 sheets per hour and with pile height of 840 mm. The ability to load by pallet, to dissipate spray powder, to load film quickly and start up with push of a button, it truly minimises production down time, paper wastes and reduces job change over under 5 minutes.



Automation

It is radical in automation, yet completely logical. **FALCON B1** is controlled by Plc, the start up is automated and the film threading too; accurate sensors are set to control sheet positioning. The temperature program anticipates energy oscillations so **FALCON B1** readjust its heating system power automatically.

Speed

4000
SRA3/hr

Speed

35
m/min

Load

840
mm

130
450
g/m²

Max. Format

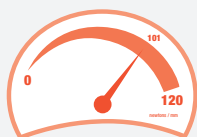
750 x
1050 mm

Min. Format

300 x
300 mm



Touch
screen



78 N/mm Linear



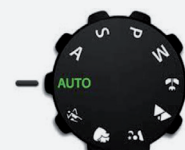
Heating roller



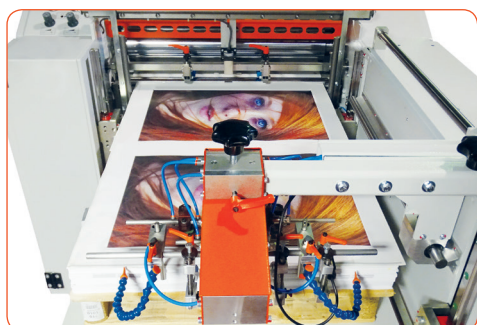
Extra blowers on entry



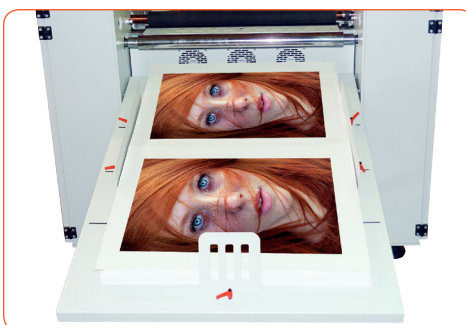
Air fans on exit



Auto mode



Feeding Module



Delivery table with air fans



Table jogger on delivery



Robust

Tons of power inside. Its solid steel base, tower construction, quality components, 500 kg feeder pile capacity, 78 Newtons / mm linear pressure and heavy weight film crane makes the **FALCON B1**'s most durable and strong equipment in the field.



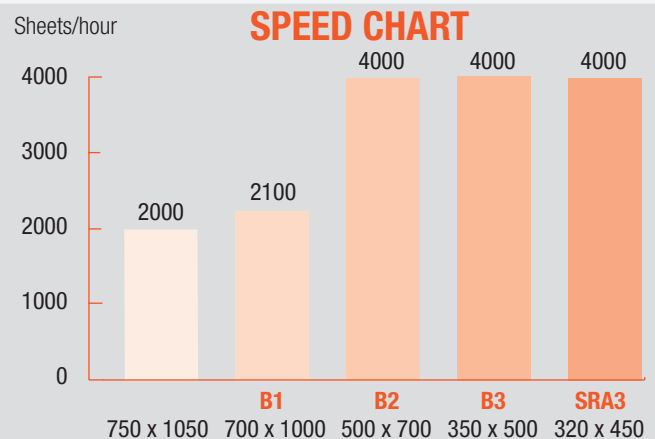
Quality

No matter the job, the **FALCON B1** is up to it. The heating system is oil heated which delivers homogenous temperature in every point of the calander, 100% OMRON electronic components set up, the highest integration ever and the heating roller is rectify and polish multiple times so we have increased energy heat transfer at highest rate too.

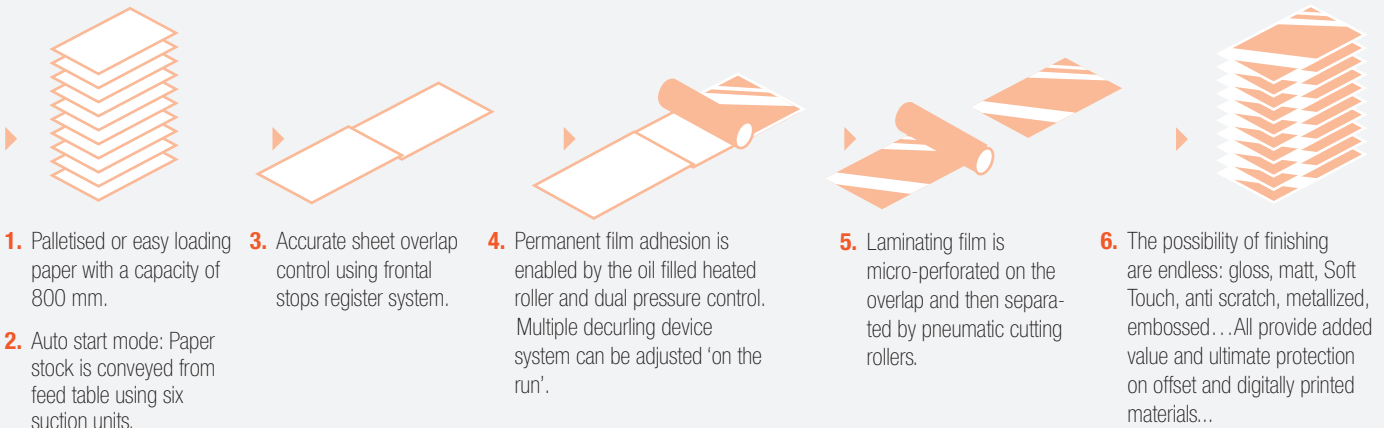


Digital adaptation

Anything you can do, you can do it better; easy paper loading system for digital jobs and palletized for offset, dual-mode feeding system to better handle big size and small formats, Digital HotStamp® system for special effects, multi-decurler bar to super flatten the paper and free pass across **FALCON B1** to make work more comfortable.



FALCON B1 Work flow



OPTIONAL



Stacker on delivery:
FALCON B1 is available with an optional pallet delivery pile system which can be unloaded using a hand pallet truck or forklift.

OPTIONAL











Crane to ease film loading

OPTIONAL



Digital HotStamp® module:
Multifunctional devise that allows metallic foiling, varnishing and spot varnishing.

COMPATIBILITY TABLE:

	Nuvera™ 200/288/314 EA, serie 1XX EA, Docu-Print™ 180MX, 155MX, 180, 135MX, 115MX, DocuTech™ 155, iGen™ 150, 8250, iGen4™, 800i/1000i, D136, D95A/D110/D125, Versant® 2100, 80, J75, C60/C70 and previous models.
	Bizhub PRESS C8000e, C700, C7000P, C6000, C1100, C1085, C1070, C1070P, C1060, C70hc, 2250P, 1250, 1250P, 1052 and previous models. Bishub PRO C6000, C6000L, C1070, C1060, C1060L, 1052, 951 and previous models.
	imagePRESS C800, C700, C600I, C7011VP, C7011VPA, C6011VP, C6011VPS, C6011S, C6011, C700VPe, imageRUNNER ADVANCE c9280 PRO, C9070 PRO, Océ ColorStream 3000 Twin series, JetStream Compact series, JetStream Dual series, JetStream Wide series, 2000 Flex and previous models.
	Pro™ C5100S, C5110S, C7100, C7100X, C651EX, C751, C901S, C751EX, InfoPrint® 5000 Multi-Purpose Platform, General Production Platform, Volume Platform y anteriores.
	HP Indigo 10000, 7800, 5600, 3550, W7250, WS6600p, 30000, 20000, WS6800, WS4600 and previous models.
	NEXPRESS SX, DIGIMASTER HD, VERSAMARK and PROSPER
	Meteor DP8700 XL+, Meteor DP8700 S+, Meteor DP8700 XL+ DF Pro, JETvarnish 3D,
	Scodix Ultra, Rainbow, and S Series

We offer compatibility tests on request with no questions asked. We continuously keep updating validations in current digital printing engines. **Consult us without obligations!**




CONSUMABLES:

Laminate films:	BOPP gloss, matt, anti-scratch, soft touch, gold/silver metallized, Ecofilm, Bacterstop.
Films para Digital HotStamp®	Metallized gold/silver/color range, holograms, gloss and matt varnish and spot varnish.

TECHNICAL SPECIFICATIONS:

Speed:	35 m/m* 4.000 sheets SRA3 / hour* 4.000 sheets B2 / hour*
Sheets sizes and weights:	Min: 300 x 300mm Max: 750 x 1050mm 130 – 450 g/m²
Feeder system:	Pneumatic feeder with six air suction units, five frontal stops, 840 mm stack height and 500 kg capacity and +/- 1 mm overlap tolerance.
Lamination unit	Thermal oil sealed heating roller. Pressure roller controlled by independent dual pneumatic pistons system with a maximum pressure of 78 Newton / mm linear. Pneumatically driven decurling bar.
Cutting unit:	Multiple micro perforation systems on cutting module and film reel. Independent speed control of cutting rollers with dedicated drive motor.
Seguridad y protección:	CE compliant, emergency stops and security sensors. Continuous equipment protection monitoring on feeding, pressure and heating systems.

* According to film, external conditions, paper type, thickness and formats.

DIMENSIONS AND WEIGHT	FALCON B1	FALCON B1 ST
	Width: 1500 mm Length: 4550 mm Height: 1600 mm	Width: 1500 mm Length: 4950 mm Height: 1600 mm
	1280 Kg	1400 Kg
	400 V 3-phase	
	16 kW / 40A	16,5 kW / 41A

Bagel Systems, is an equipment manufacturer focused on developing and manufacturing added value laminating equipment for the graphic arts and packaging industry.

Market leader with the integration technology of OMRON technology for finishing equipment, Bagel Systems delivers the best offset and best digital laminate productivity ratios.



Bagel Systems is a trademark of **Bagel Systems SL**. **Bagel Systems** has a policy of continuous improvement and reserves the right to amend any above specification without prior notice.



La distribuzione dei prodotti Bagel in Italia è affidata a

quadient
Because connections matter.